



Vienna Instruments

Vienna Solo Voices

Coloratura Soprano

Soprano

Mezzo-Soprano

Alto

Tenor

Baritone

Bass

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Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Vienna Instruments! This document contains the mapping information for the Vienna Solo Voices. You will find in it a comprehensive survey of the articulations/Patches content and the mapping list proper which gives details for every Patch, Matrix, and Preset.

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary. All articulations are available on the vowels “aa” (Standard library) and “uu” (Extended library).

We took care in all articulations to adjust loudness within velocity layers to the individual voices' natural volume, so that lower notes will sound softer than higher ones within the same velocity level.

Here's an overview of the articulations/Patches contained in the Vienna Solo Voices Collection:

Short notes: Staccato on “aa”, “pa”, “ra”, “sa”, “ta” and “uu”, “pu”, “ru”, “su”, “tu”

Long notes: Sustained

Dynamics: Crescendo-diminuendo, 2 and 4 sec., sforzato

Interval performances: Legato and trills (minor to major 2nd, all other intervals legato)

Phrases: Octave glissandos

Extras: Breathing noises, used in Matrices for easy insertion in phrases.

The velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to the instrument's requirements. The Patch information also lists the velocity layers in detail.

Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is not only used for legato but also for other articulations like glissandos and clusters.

Interval performances also contain at least two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But naturally, it's mingling legato with other articulations which makes a piece really come alive.

Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes 101–112 instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. Since the Presets in this Library only contain one Matrix each, no additional switches are needed.

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

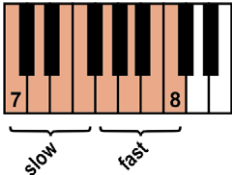
You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

111 Vienna Solo Voices

Patches

Since the same articulations were recorded for each voice, only the Patches, Matrices and Presets of the Coloratura Soprano are listed here. Patch sample counts may vary slightly according to a voice's range.
The voices' ranges are: Coloratura Soprano F4–F6; Soprano C4–D6; Mezzo-Soprano A3–C6; Alto F3–A5; Tenor C3–D5; Baritone G2–G4; Bass C2–E4.

01 Coloratura Soprano -AA-		Range: F4–F6	Level 1
01 SV-C-Soprano_stac AA		Samples: 400	RAM: 25 MB
Staccato on "aa" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f			
02 SV-C-Soprano_stac PA		Samples: 120	RAM: 7 MB
Staccato on "pa" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations			
03 SV-C-Soprano_stac RA		Samples: 120	RAM: 7 MB
Staccato on "ra" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations			
04 SV-C-Soprano_stac SA		Samples: 120	RAM: 7 MB
Staccato on "sa" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations			
05 SV-C-Soprano_stac TA		Samples: 120	RAM: 7 MB
Staccato on "ta" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations			
11 SV-C-Soprano_sus AA		Samples: 300	RAM: 18 MB
Sustained notes on "aa" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations			
21 SV-C-Soprano_dyn-2s AA		Samples: 50	RAM: 3 MB
Crescendo and diminuendo on "aa", 2 sec. 1 velocity layer			
23 SV-C-Soprano_dyn-4s AA		Samples: 50	RAM: 3 MB
Crescendo and diminuendo on "aa", 4 sec. 1 velocity layer			

28 SV-C-Soprano_sfz AA	Samples: 50	RAM: 3 MB
Sforzato on "aa" 1 velocity layer 2 Alternations		
31 SV-C-Soprano_perf-leg AA	Samples: 1260	RAM: 78 MB
Interval performances: Legato on "aa" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
33 SV-C-Soprano_perf-trill AA	Samples: 2260	RAM: 141 MB
Interval performances: Trills on "aa", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
35 SV-C-Soprano_gliss AA	Samples: 32	RAM: 2 MB
Octave glissandos on "aa" The range of starting notes for upward glissandos is F4–F5, for downward glissandos F5–F6. 2 velocity layers: 0–88 p; 89–127 f		
50 SV-C-Soprano_breathing	Range: C7–C8	Samples: 16
Breathing sounds, long and short, 4 variations each 2 velocity layers: 0–88 p; 89–127 f		
Mapping: Mapping on white keys only C7–F7: Long breaths, var. 1–4 G7–C8: Short breaths, var. 1–4		
		
01 Coloratura Soprano -UU-	Range: F4–F6	Level 2
01 SV-C-Soprano_stac UU	Samples: 400	RAM: 25 MB
Staccato on "uu" 4 velocity layers: 0–88 p; 89–127 f		
02 SV-C-Soprano_stac PU	Samples: 120	RAM: 7 MB
Staccato on "pu" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations		
03 SV-C-Soprano_stac RU	Samples: 120	RAM: 7 MB
Staccato on "ru" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations		

04 SV-C-Soprano_stac SU	Samples: 120	RAM: 7 MB
Staccato on "su" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations		
05 SV-C-Soprano_stac TU	Samples: 120	RAM: 7 MB
Staccato on "tu" 2 velocity layers: 0–88 p; 89–127 f 4 Alternations		
11 SV-C-Soprano_sus UU	Samples: 300	RAM: 18 MB
Sustained notes on "uu" 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples 2 Alternations		
21 SV-C-Soprano_dyn-2s UU	Samples: 50	RAM: 3 MB
Crescendo and diminuendo on "uu", 2 sec. 1 velocity layer		
23 SV-C-Soprano_dyn-4s UU	Samples: 50	RAM: 3 MB
Crescendo and diminuendo on "uu", 4 sec. 1 velocity layer		
28 SV-C-Soprano_sfz UU	Samples: 50	RAM: 3 MB
Sforzato on "uu" 1 velocity layer 2 Alternations		
31 SV-C-Soprano_perf-leg UU	Samples: 1260	RAM: 78 MB
Interval performances: Legato on "uu" Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
33 SV-C-Soprano_perf-trill UU	Samples: 2260	RAM: 141 MB
Interval performances: Trills on "uu", minor and major 2nd Monophonic 4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f Release samples		
35 SV-C-Soprano_gliss UU	Samples: 32	RAM: 2 MB
Octave glissandos on "uu" The range of starting notes for upward glissandos is F4–F5, for downward glissandos F5–F6. 2 velocity layers: 0–88 p; 89–127 f		

Matrices

Vienna Instruments PRO Matrices have the same content as the regular ones listed here, but make use of PRO-specific features. As the Presets contain only the Matrices of the same name, they are not separately listed.

Matrix -AA-

Level 1

01 SV-C-Soprano Matrix - AA

Samples: 3538 RAM: 221 MB

Articulations on "aa"

Staccato "aa"–"ta"

Sustained normal and with staccato attack

Sforzato

Crescendo and diminuendo 2 and 4 sec.

Legato and trills

Glissando

The parallel Cell contains breathing sounds

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato "aa"	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato "pa"	"pa" + sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V3	staccato "ra"	"ra" + sustained	sforzato	cres-dim 4 sec.	legato	trills	glissando
V4	staccato "sa"	"sa" + sustained	sforzato	cres-dim 4 sec.	legato	trills	glissando
V5	staccato "ta"	"ta" + sustained	sforzato	cres-dim 4 sec.	legato	trills	glissando

Matrix -UU-

Level 2

01 SV-C-Soprano Matrix - UU

Samples: 3538 RAM: 221 MB

Articulations on "uu"

Staccato "uu"–"tu"

Sustained normal and with staccato attack

Sforzato

Crescendo and diminuendo 2 and 4 sec.

Legato and trills

Glissando

The parallel Cells contain breathing sounds

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato "uu"	sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V2	staccato "pu"	"pu" + sustained	sforzato	cres-dim 2 sec.	legato	trills	glissando
V3	staccato "ru"	"ru" + sustained	sforzato	cres-dim 4 sec.	legato	trills	glissando
V4	staccato "su"	"su" + sustained	sforzato	cres-dim 4 sec.	legato	trills	glissando
V5	staccato "tu"	"tu" + sustained	sforzato	cres-dim 4 sec.	legato	trills	glissando